TOC or DOC by Persulfate Oxidation Method ADDITIONAL QC REQUIREMENTS FOR THIS METHOD: Certified or Accredited laboratories using this method are assessed to applicable requirements of SM 1020 and SM 5020.						
Facility Name:VELAP ID						
Assessor Name:Analyst Name:	Inspection Date					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments	
Records Examined: SOP Number/ Revision/ Date Analyst:						
Sample ID: Date of Sample Preparation: Date of Analysis:						
Are samples collected in glass bottles "protected from sunlight" [amber] and sealed with TFE-backed septa?	5310C.1.d, 5310B.1.d					
 For nonpotable water, are samples held at ≤6°C, preserved with HCl, H₂SO₄, or H₃PO₄ to pH <2, and analyzed within 28 days of collection? 	40 CFR 136.3 Table 1I					
3) For drinking water, are samples acidified at the time of collection to pH ≤ 2 or by the instrument manufacturer and analyzed within 28 days?	40 CFR 141.131(d)(3)					
4) If samples contain gross particulates or insoluble matter, are they homogenized until a representative portion can be aspirated? Output Description:	5310C.4.b					
5) If determining DOC, are samples and reagent blanks filtered using a 0.45µm filter, and are filter blanks checked "regularly"?	5310C.4.b					
6) For preparation of reagents, blanks, and standards, is the reagent water TOC less than 2 times the MDL?	5310C.3.a, 5310B.3.a					
 Are samples and standards manually injected repeatedly until consecutive peaks are reproducible to within +/-10%. 	5310C.4.c, 5310B.4.c					
8) Is a method blank and a second-source LCS analyzed "after every tenth analysis"?	5310C.6, 5310B.6					
9) Is the efficiency of inorganic carbon removal checked for each sample matrix by splitting a sample into two portions, adding to one portion an amount of inorganic carbon similar to the level in the sample, and checking agreement between the two portions? "The TOC values should agree."	5310C.4.b					
10) Is the standard curve determined from peak area or height for a series of standards and blank?	5310C.4.d					
11) Are responses of the standards and samples adjusted by subtracting the reagent water blank?	5310C.5					
Notes/ Comments:						

